Abstract of Quality Assurance plan

Name of Work :	**COMPREHENSIVE FEVELOPMENT OF HAROHALLI LAKE IN CHOWDESHWARI WARD No-2**											
Estimate Cost :	**3,55,40,188.00/-**	**Tender Agreement no & Date:**	**EE (Project)/ Ynk Zone/AG/15/2022-23 (Dated: 03-09-2022)**				**Contractor:**	Sri. K. GOPIREDDY				
As Per tender/ Date of commencement of work :			**09-03-2022**		**As Per tender /Date of completion of work:**			**3/6/2023**				

SI No	Materials required for finishined item of work	Unit	Quantity of Materials	Name of Test to be Conducted	No of Tests Required	No of test by		No of test by Competent Authority / Manufacturer	Total nos of test conducted by		Frequency as per Relevent IS Codes and MoRTH Quality Plans	Reference	Remarks
						Const Sub-Dn	QA Sub-dn		Const Sub-Dn	QA Sub-dn			
Concrete works													
1	20 mm and 10 mm down size Coarse aggregate	Cum	1392.06	Gradation	13	7	6				One Test per 100 Cum/ or Change in source	IS 383-2016, IS2386(part1)-1963 & sampling 2430-1969 ,4926-2003	Any change in source / visual observations, number of tests may be increased and subsequently on monthly basis
				Flakiness and Elongation index	1	1					Once at beginning for each source	IS 383-2016, IS2386(part1)-1963 &2430-1969	
				Impact value	1	1						IS 383-2016, IS2386(part IV)-1963 &2430-1969	
				Water Absorbtion	1	1						IS 383-2016, IS2386(part III)-1963 &2430-1969	
2	Fine aggregate	Cum	859.58	Seive analysis	9	5	4				One Test per 100 cum or Change in source	IS 383-2016, IS2386(part 2)-1963 &2430-1969	Any change in source / visual observations, number of tests may be increased
3	Cement	Bags	385.99	Normal Consistency	1	1					1 test for every 5000 bags/1 test for each consignment/ as decided by the engineer incharge	IS 269, IS 455, IS 1489, IS 8112-1989 IS 12269-1987	Any change in cement grade/brand test to be carried out
				Initial setting time	1	1							
				Final setting time	1	1							
				Compressive strength	1	1							

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						Const Sub-Dn	QA Sub-dn		Const Sub-Dn	QA Sub-dn			
4	Steel	TON	7.00	Tensile test a) Dia of bar b) weight/mtr c) Yeild stress d) Tensile test	1	1					One Test for Each Consignment (all dia of rods)	IS 1786-2008 & IS1608-2005	Certificate from authorised testing labs followed by Manufactures certificate.
				Bend and re-bend test	1	1						IS 1786-2008 & IS1599-1985	
				Chemical Analysis	1	1						IS 1786-2008 & IS 228 (part1-24)	
5	Concrete M25	Cum	103.58	Mix Design	1	1						IS 456-2000,IS4926-2003,IS 516-1959 & 1199-1959 IS 8112-1989 for 43 grade IS 12269-1987 for 53 grade	Mix design performed at the beginning of work by contractor & get approval from competent authority
				Slump Test	2	1	1				2 Tests per Day / as required at Site		
				7 days Compressive Strength	2	1	1				1-5cum - 1 set, 5-15 cum- 2 set, 15-30cum- 3 set, 30-50cum - 4 set , aabove 50 cum- additio 1 set and above 100 cum - 1 set for every 100 cum . For RMC concrete 1 set for every 50cum or part/ As decided by Engineer Incharge		
				28 days Compressive Strength	2	1	1						
6	Embankment/ Sub grade	Sqm	1888.00	Grain Size Analysis	1	1					At the time of selection and change of borrow	IS 2720 Part 4, IS 2720 Part 5, IS 2720 Part 8 and Part 16	
				Atterberg Limits	1	1							
				Lab MDD & OMC	1	1							
				CBR Test	1	1							
				Field density	2	1	1				1 set test per 3000sqm	IS 2720 (part 28) and IS 2720 (Part 02)	For each & every layer

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Sl No	Materials required for finishined item of work	Unit	Quantity of Materials	Name of Test to be Conducted	No of Tests Required	No of test by		No of test by Competent Authority / Manufacturer	Total nos of test conducted by		Frequency as per Relevent IS Codes and MoRTH Quality Plans	Reference	Remarks
						Const Sub-Dn	QA Sub-dn		Const Sub-Dn	QA Sub-dn			
7	KERB	NOS	11003.68	Comprtessive Strength	1	1					Required number of blocks shall be sampled from each batch of consigment of blocks up to a quantity of 25000 blocks	Required as per 5758-1984 and Test method IS 516	
8	COBBLE STONES	SqM	5192.00	Comprtessive Strength	1	1					Required number of blocks shall be sampled from each batch of consigment of blocks up to a quantity of 25000 blocks	Required as Per IS 15658 Test Method IS 516	
9	Grannual Sub Base	Cum	1557.60	Aggregate impact value	2	2					1 test per 1000cum/One test each source by QA	IS 383-2016, IS2386(part1)(Part-3) and (Part-4)-1963 & sampling 2430-1969 ,4926-2003 and MoRTH	
				Specific Gravity and Water Absorption	3	3					1 test per 500cum/One test each source by QA		
				Lab MDD & OMC	8	4	4				1 test per 200cum/One test each source by QA		
				Gradation	8	4	4				One test /200Cum		

Note:

1 For Water Suppy, Sanitory, Electrical and other Items nessasary certificate indicating the quality as per the prescribed IS shall be obtained by the Authorised/Manufactures shall be obtained during the execution of the Work.

VIMOS TECHNOCRATS PVT. LTD. BENGALURU

Assistant Engineer
Yelahanka division

Executive Engineer
Yelahanka division

Asiistant Executive Engineer
Yelahanka division

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

Executive Engineer
Project Division
Yelahanka Zone
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